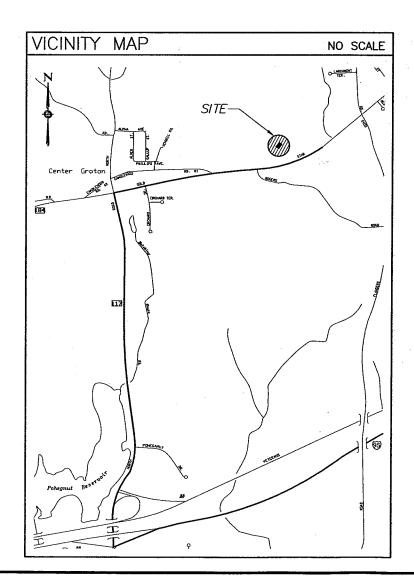
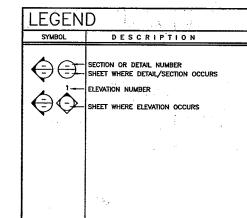
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## **DEVELOPMENT & MANAGEMENT PLAN** 1662 ROUTE 184

1662 GOLD STAR MEMORIAL HIGHWAY (ROUTE 184) GROTON, CONNECTICUT

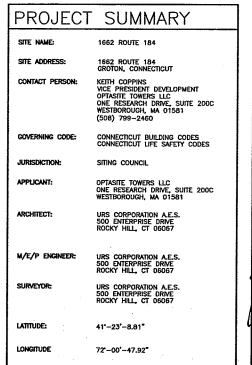


# PROJECT SUMMARY CONTACT PERSON: URS CORPORATION A.E.S. 500 ENTERPRISE DRIVE ROCKY HILL, CT 06067 SURVEYOR LATITUDES 72"-00"-47.92" 249' AMSL NGVD 1929



MIN.	MINIMUM
V.I.F.	VERIFY IN FIELD
O.C.	ON CENTER
PSF	POUND/SQUARE FOOT
TYP.	TYPICAL
FT.	FEET
SQ.FT.	SQUARE FEET
N/A	NOT APPLICABLE

SHEET INDEX			
SHT. NO.	DESCRIPTION		
T-1	TITLE SHEET — GENERAL NOTES AND LEGENDS		
5-1	SURVEY		
C-1	SITE PLAN AND SILT FENCE NOTES		
C-2	COMPOUND PLAN AND MONOPOLE ELEVATION		
C-3	SITE DETAILS		
C-4	CINGULAR WIRELESS EQUIPMENT SHELTER ELEVATIONS		
	SITE DETAILS		



LEGEND			
SYMBOL	DESCRIPTION		
<b>\$</b>	SECTION OR DETAIL NUMBER SHEET WHERE DETAIL/SECTION OCCURS		
4	ELEVATION NUMBER		
	SHEET WHERE ELEVATION OCCURS		
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PROJECT NO:

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**URS CORPORATION AES** 500 ENTERPRISE DRIVE ROCKY HILL, CONNECTICUT

HE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS OTHER THAN THAT WHICH RELATES TO OPTASITE IS STRICTLY PROHIBITED.

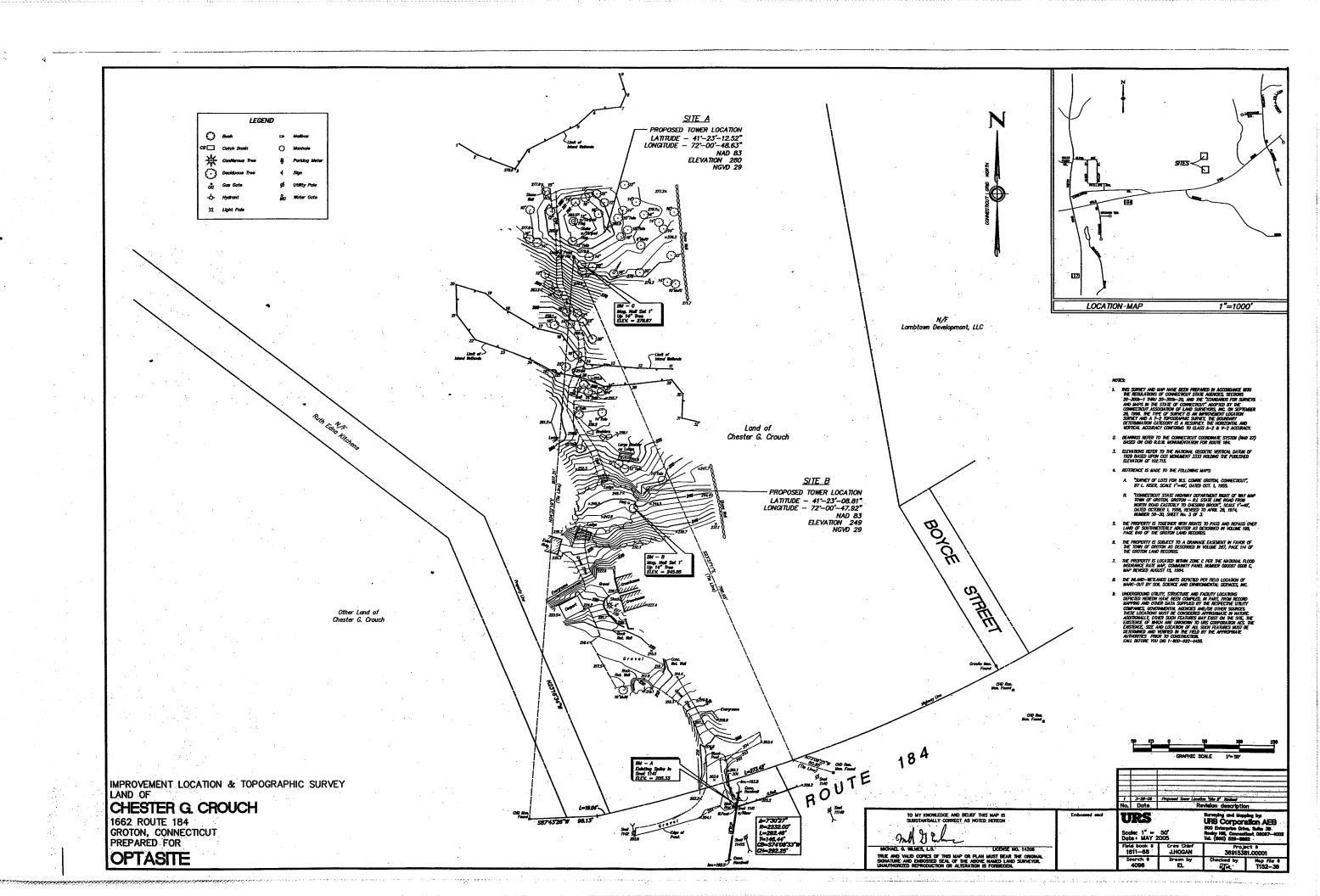
1662 ROUTE 184

1662 GOLD STAR MEMORIAL HIGHWAY ROUTE 184 GROTON, CONNECTICUT

SCALE: NONE

TITLE SHEET-**GENERAL NOTES** AND LEGENDS

T-1



## SITE NOTES THE FOLLOWING STANDARD SPECIFICATIONS ARE INCORPORATED INTO THE WORK SHOWN HEREON UNLESS SUPERSEDED BY LOCAL (GROTON) REGULATIONS: STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROADS, BRIDGES AND IN CIDENTAL CONSTRUCTION" FORM 816 ENGLISH & METRIC FORM B16 ORIGINAL -FORM B16 SUMMARY OF CHANGES -SUPPLEMENT FORM B16 JANUARY 2005 -SUPPLEMENT FORM B16 JULY 2005 \*DEP BULLETIN 34, CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENTATION CONTROL\* AS PUBLISHED BY THE CONNECTICUT COUNCIL OF SOIL AND WATER CONSERVATION, DATED 2002. THE CONTRACTOR SHALL INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES PRIOR TO ANY GRADING ACTIVITIES. 3. THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN SOIL EROSION AND SEDIMENTATION CONTROLS AT ALL THEES DURING CONSTRUCTION, ALL SOIL EROSION AND SEDIMENTATION CONTROL MESSURES ARE SUBJECT TO INSPECTION AND MONITORING BY THE TOWN. COORDINATION, LAYOUT AND FURNISHING OF CONDUIT, CABLE AND ALL APPURTENANCES REQUIRED FOR PROPER INSTALLATION OF ELECTRICAL AND TELECOMMUNICATION SERVICE SHALL BE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. ALL UTILITY WORK SHALL BE IN ACCORDANCE WITH LOCAL UTILITY COMPANY REQUIREMENTS AND SPECIFICATIONS. IF ANY FIELD CONDITIONS PRECLUDE COMPLIANCE WITH THE DRAWINGS AND/OR CONDITIONS SPECIFIED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY CELLILIAR CARRIER AND SHALL NOT PROCEED WITH ANY AFFECTED WORK.

- THE CONTRACTOR SHALL STABILIZE ALL UTILITY LINE TRENCHES WITHIN FIVE WORKING DAYS AFTER EXCAVATION UNLESS OTHERWISE APPROVED BY CELLULAR CARRIER.
- AL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY ENGINEERS. EXTERME CAUTION SHOULD BE USED BY THE SUBCONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. SUBCONTRACTOR SHALL PROVIDE SAFETY RAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING & EXCAVATION. ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWINGS AND PROJECT SPECIFICATIONS. 10. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
- . THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE EQUIPMENT SHELTERS/SLABS AND TOWER AREAS.
- 12. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
- 13. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.

  14. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF ENGINEERING, OWNER AND/OR LOCAL UTILITIES.
- 15. ALL EXISTING AREAS DISTURBED DUE TO CONSTRUCTION SHALL BE RESTORED TO MATCH PRECONSTRUCTION CONDITIONS.
- 16. THE EXACT SHELTER FOUNDATION SIZE AND SHELTER FLOOR PENETRATIONS FOR UTILITIES SHALL BE CONFIRMED WITH THE SHELTER SPECIFICATIONS AND PLANS PRIOR TO LAYOUT.
- 17. COORDINATED CONTROL POINTS TO BE PROVIDED BY URS CORPORATION A.E.S. 18. THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" AT LEAST 48 HOURS PRIOR TO ANY EXCAVATIONS TO VERIFY AND IDENTIFY THE EXACT LOCATIONS OF ALL UNDERGROUND UTILITIES AND OBSTRUCTIONS PRIOR TO COMMENCING WORK IN THE CONTRACT AREA.
- 19. SUB-CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.

#### SEDIMENTATION CONTROL FENCE SPECIFICATIONS

#### MAINTENANCE

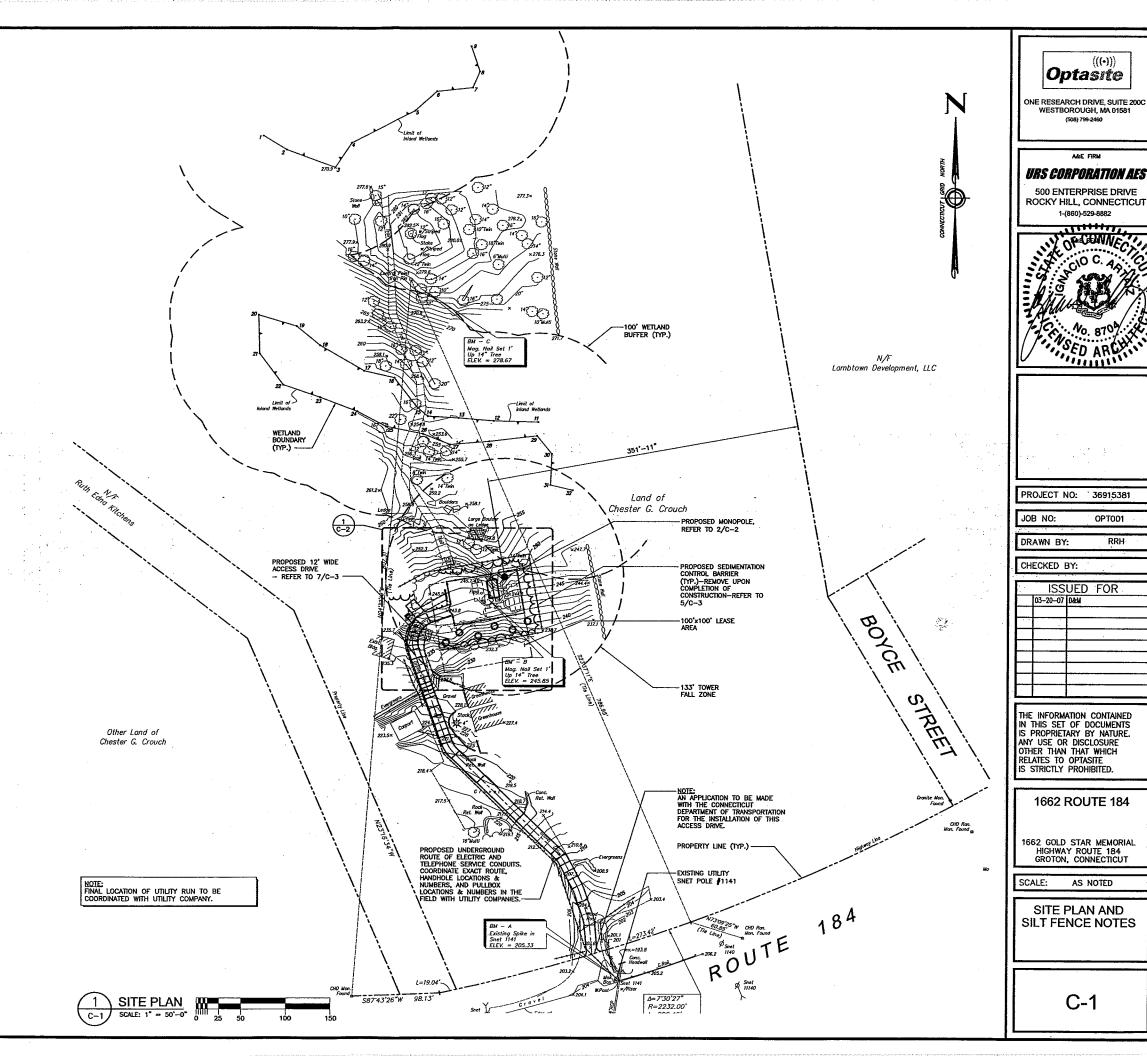
- SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL ANY REPAIRS THAT ARE REQUIRED SHALL BE MADE IMMEDIATELY.
- 2. IF THE FABRIC ON A SILT FENCE SHOULD DECOMPOSE OR BECOME INEFFECTIVE DURING THE EXPECTED LIFE OF THE FENCE, THE FABRIC SHALL BE REPLACED
- SEDIMENT DEPOSITS SHOULD BE INSPECTED AFTER EVERY STORM EVENT, THE DEPOSITS SHOULD BE REMOVED WHEN THEY REACH APPROXIMATELY ONE—HALF THE HEIGHT OF THE BARRIER.
- 4. SEDIMENT DEPOSITS THAT ARE REMOVED OR LEFT IN PLACE AFTER THE FABRIC HAS BEEN REMOVED SHALL BE GRADED TO CONFORM WITH THE EXISTING TOPOGRAPHY AND VEGETATION.

#### CONSTRUCTION SEQUENCE

- 1. THE GEOTEXTILE FABRIC SHALL MEET THE DESIGN CRITERIA FOR SILT FENCES
- THE FABRIC SHALL BE EMBEDDED A MINIMUM OF 8 INCHES INTO THE GROUND AND THE SOIL COMPACTED OVER THE EMBEDDED FABRIC.
- 3. WOVEN WIRE FENCES SHALL BE FASTENED SECURELY TO THE FENCE POSTS WITH WIRE TIES OR STAPLES.
- FILTER CLOTH SHALL BE FASTENED SECURELY TO THE WOVEN WIRE FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP, MID-SECTION, AND BOTTOM.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6 INCHES, FOLDED AND STAPLED.
- 6. FENCE POSTS SHALL BE A MINIMUM OF 36 INCHES LONG AND DRIVEN A MINIMUM OF 16 INCHES INTO THE GROUND. WOOD POSTS SHALL BE OF SOUND QUALITY HARDWOOD AND SHALL HAVE A MINIMUM CROSS SECTIONAL AREA OF 3.0 SQUARE INCLUS.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED TO PREVENT BULGES IN THE SILT FENCE DUE TO DEPOSITION OF SEDIMENT.

#### EROSION CONTROL NOTES

- DURING CONSTRUCTION AND THEREAFTER EROSION CONTROL MEASURES ARE TO BE IMPLEMENTED AS NOTED. NOT GREATER THAN 80,000 SQ. FT. OF LAND SHALL BE EXPOSED AT ANY ONE TIME DURING DEVELOPMENT. WHEN LAND IS EXPOSED DURING DEVELOPMENT, THE EXPOSURE SHOULD BE KEPT TO THE SHORTEST PRACTICAL PERIOD OF TIME AND SHALL NOT EXCEED 90 DAYS. LAND SHOULD NOT BE LEFT EXPOSED DURING THE WINTER MONTHS.
- 2. SILTATION FENCING SHALL BE INSTALLED WHERE SHOWN PRIOR TO ANY ON SITE GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL. IT SHOULD BE MAINTAINED DURING AND AFTER DEVELOPMENT TO REMOVE SEDIMENT FROM RUNDFF WATER AND FROM LAND UNDERGOING DEVELOPMENT. WHERE POSSIBLE NATURAL DRAINAGE—WAYS SHOULD BE UTILIZED AND LEFT OPEN TO REMOVE EXCESS SURFACE WATER.
- ALL DISTURBED AREAS AND SIDE SLOPES WHICH ARE FINISH GRADED WITH NO FURTHER CONSTRUCTION TO TAKE PLACE SHALL BE LOAMED AND SEEDED. A MINIMUM OF 4° OF LOAM SHALL BE INSTALLED.
- ANY DISTURBED AREAS WHICH ARE TO BE LEFT TEMPORARILY, AND WHICH WILL BE REGRADED LATER DURING CONSTRUCTION SHALL BE MACHINE HAY MULCHED AND SEEDED WITH RIVE GRASS TO PREVENT EROSION. HAY OR STRAW MULCH SHALL BE APPLIED TO ALL FRESHLY SEEDED AREAS AT A RATE OF 2 TONS PER ACRE. BALES SHALL BE UNSPOILED, AIR-DRIED, AND FREE FROM WEED, SEEDS AND ANY COARSE MATERIAL.



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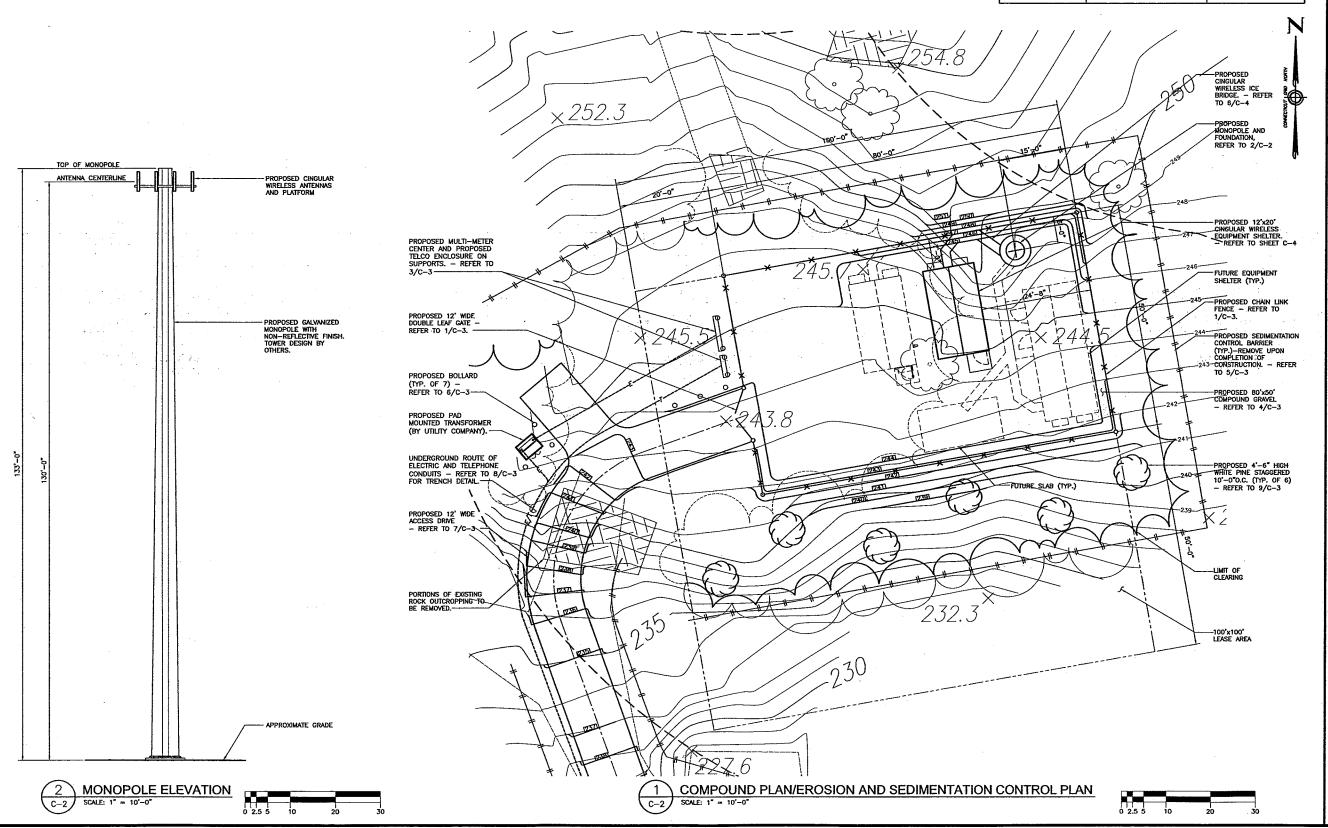
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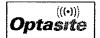
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LEGEND		
DESCRIPTION	EXISTING	NEW
PROPERTY LINE		
LEASE LINE	ŀ	
CHAIN LINK FENCE		xx
CONTOUR LINES	485	XXXI
Underground utilities		E/T
UTILITY POLE	ø	ø
TREE LINE		- www.ww
SEDIMENTATION FENCE		<i>H H H</i>
SPOT ELEVATION	× xxx.x	x.XXX
WOOD FENCE		
ROCK/LEDGE		

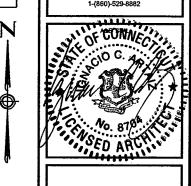




ONE RESEARCH DRIVE, SUITE 200C WESTBOROUGH, MA 01581

### URS CORPORATION AES

500 ENTERPRISE DRIVE ROCKY HILL, CONNECTICUT 1-(860)-529-8882



PROJECT NO: 36915381

JOB NO: OPTO01

DRAWN BY: RRH

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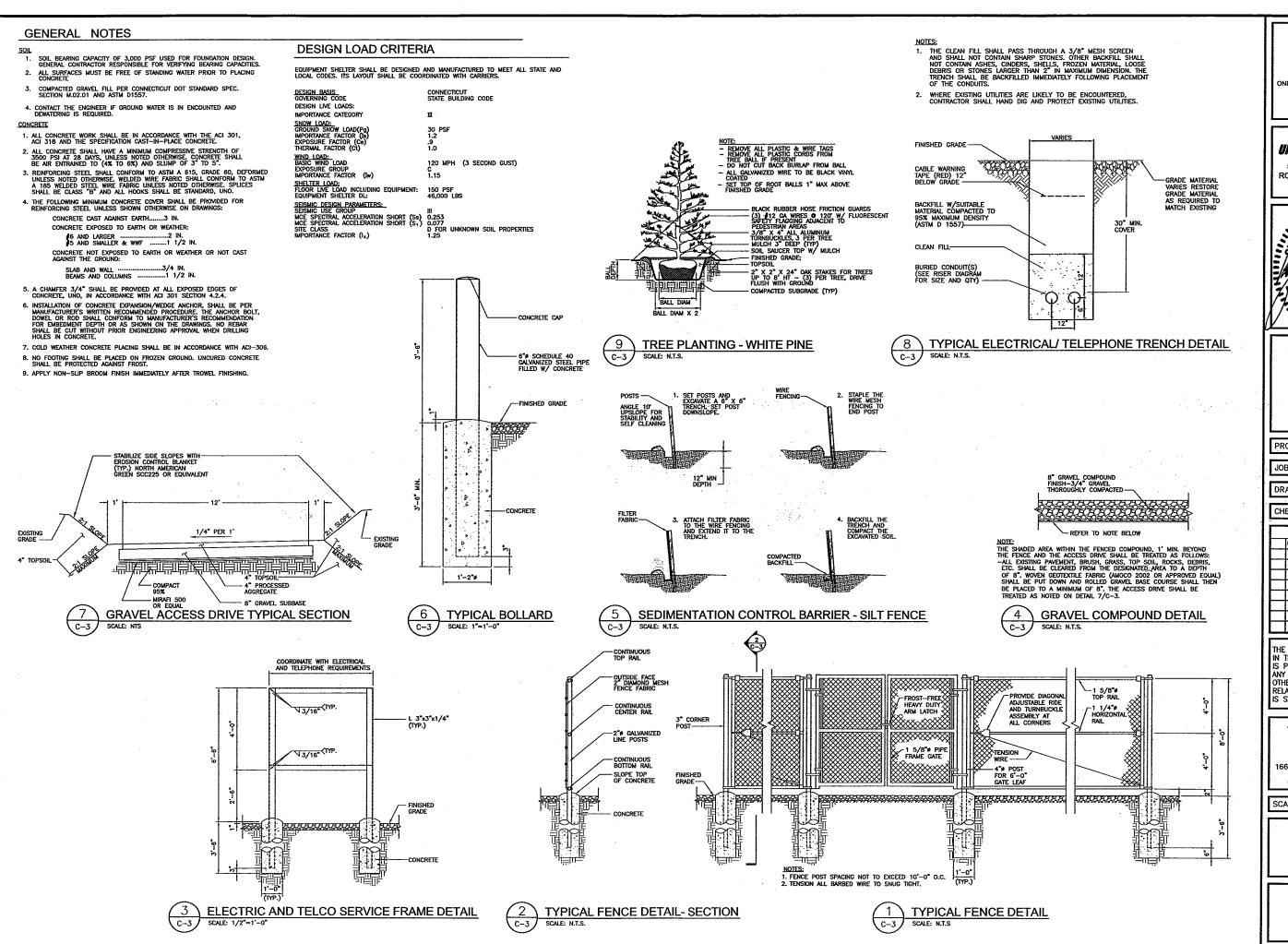
1662 ROUTE 184

1662 GOLD STAR MEMORIAL HIGHWAY ROUTE 184 GROTON, CONNECTICUT

SCALE: AS NOTED

COMPOUND PLAN AND MONOPOLE ELEVATION

C-2



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#### URS CORPORATION AES

500 ENTERPRISE DRIVE ROCKY HILL, CONNECTICUT 1-(860)-529-8882



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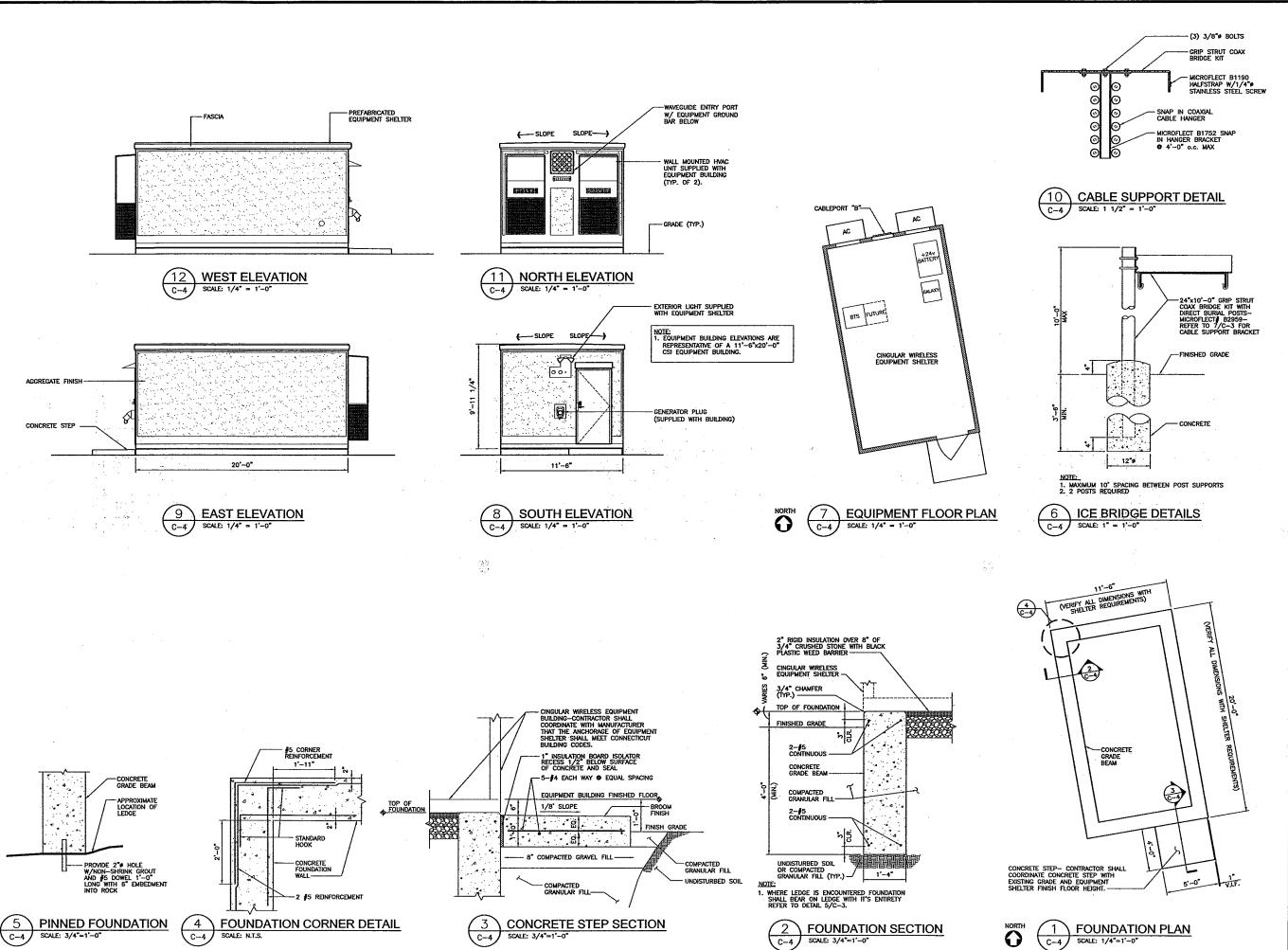
1662 ROUTE 184

1662 GOLD STAR MEMORIAL HIGHWAY ROUTE 184 GROTON, CONNECTICUT

SCALE: AS NOTED

SITE DETAILS

C-3



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#### **URS CORPORATION AES**

500 ENTERPRISE DRIVE ROCKY HILL, CONNECTICUT 1-(860)-529-8882



PROJECT NO: 36915381

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1662 ROUTE 184

1662 GOLD STAR MEMORIAL HIGHWAY ROUTE 184 GROTON, CONNECTICUT

SCALE: AS NOTED

CINGULAR WIRELESS EQUIPMENT SHELTER **ELEVATIONS AND** SITE DETAILS

C-4